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MISCELLANEA.

Twenty-Fourth Meeting of the British Association for the Advancement of Science, held at Liverpool, 21st—26th Sept. 1854. Section F. Statistics.

President.—Thomas Tooke, Esq., F.R.S.

Vice-Presidents.—His Grace the Archbishop of Dublin; Colonel Sykes, F.R.S.; William Brown, Esq., M.P.; R. Monckton Milnes, Esq., M.P.

Secretaries.—William Newmarch, Esq.; W. H. Duncan, Esq., M.D.; J. T. Danson, Esq.; Edward Cheshire, Esq.

Committee.—Sir John Boileau, Bart., F.R.S.; Sir Thomas B. Birch, Bart.; E. J. Farren, Esq.; Richard Fort, Esq.; J. W. Gilbert, Esq., F.R.S.; Robertson Gladstone, Esq.; Andrew Henderson, Esq.; J. P. Heywood, Esq.; The Rev. Dr. Hume; John Locke, Esq.; Mr. Alderman Nield; Theodore W. Rathbone, Esq.; Dr. D. B. Reid; Henry Romilly, Esq.; The Earl of Sefton; R. J. Spiers, Esq.; Lord Stanley, M.P.; John Strang, LL.D.; J. A. Tinne, Esq.; William Tite, Esq.; J. B. Yates, Esq.; James Yates, Esq.

The following Papers occupied the attention of the Section, viz.:

1. Suggestions for improving the present mode of keeping and stating the National Accounts. By Charles Jellicoe, Esq.
2. The Preston Strike: its causes and consequences. By Henry Ashworth, Esq.
3. Magnitude and Fluctuation of the Circulation of Bills of Exchange, 1816–1853. Statement of some of the results of a further extensive collection of Data. By William Newmarch, Esq.
4. On the Laws of the Currency, as exemplified in the Circulation of Country Bank Notes in England since the passing of the Act of 1844. By James William Gilbert, Esq., F.R.S.
5. Statistics of Nice Maritime. By Colonel Sykes, F.R.S.
6. Facts and Statements connected with the Question, whether, in consequence of the discoveries of the last six years, the exchangeable value of gold in this country has fallen below its former level. By William Newmarch, Esq.
7. The Progress and Direction of British Exports, and the influence thereon of Free Trade and Gold. By Richard Valpy, Esq.
8. On the effects of good and bad times on the Committals to Prison. By the Rev. John Clay.
9. Statistics of Poor Relief and Movement of Population in the "Commercial District" in the Hundred of Wirral, Cheshire. By Mr. Mc Nerney, communicated by Sir J. P. Boileau, Bart., F.R.S.
10. On the Deaf and Dumb in the United Kingdom in 1851. By David Buxton, Esq.
11. On the Cost and Current Prices of Wheat in England in 1844–54. By J. T. Danson, Esq.
12. On the French System of Measures, Weights, and Coins. By James Yates, Esq., M.A., F.R.S.
13. On Decimal Coinage and Accounts. By Theodore W. Rathbone, Esq.
14. On Decimal Coinage. By William Miller, Esq.
15. On Decimal Coinage. By Jacob J. Franklin, Esq.
16. Discussion on Decimal Coinage.
17. On the Rise, Progress, and Present Condition of Joint-Stock Banks. By James Knight, Esq.
18. On the Education of the Poor in Liverpool. By the Rev. A. Hume, D.C.L., LL.D., F.S.A.
19. On the Reformation of Offenders. By J. B. H. Baker, Esq.
20. On the Non-Russian Population of the Russian Empire. By Dr. Latham.
21. On the Decimialization of the Tariff. By William Miller, Esq., communicated by Robert R. R. Moore, Esq.
22. On the Supply of Gold from Australia and from English Rocks. By John Calvert, Esq.
23. On the Treatment of Abandoned Workings of the Australian Gold Fields. By H. E. Michel, Esq., B.A.
24. On the Causes of the Fluctuations in the Herring Fisheries. By John Cleghorn, Esq.

**THE MARRIAGES, BIRTHS, AND DEATHS,
REGISTERED IN THE DIVISIONS, COUNTIES, AND DISTRICTS OF ENGLAND.**

The Marriages for the Quarter ended March, 1854, and the Births and Deaths for the Quarter ended June, 1854,

AS PUBLISHED BY AUTHORITY OF THE REGISTRAR-GENERAL.

This return comprises the births and deaths registered by 2,191 registrars in all the districts of England during the Spring quarter ended June 30th, 1854; and the marriages in 12,039 churches or chapels, about 3,504 registered places of worship unconnected with the Established Church, and 625 superintendent registrars' offices, in the quarter that ended March 31st, 1854.

All the returns present a favourable view of the state of the country. The marriages in the first quarter of the year exceed the average proportion. In the quarter ended June 30th, the number of births that have been registered greatly exceeds the numbers returned in any previous quarter; and the mortality has been below the average. Cholera has not prevailed to any extent, but the mortality of the town districts has slightly exceeded the average, and the diminution in the mortality is found to be chiefly in the country districts.

MARRIAGES.—33,144 marriages were celebrated in the quarter ended March 31st, and in proportion to the population, this number exceeds the average of the ten corresponding quarters, but it is less by 1,870 than the marriages in the winter of 1853. The pressure of the high price of provisions has had some effect in depressing the marriages. On comparing the numbers in the corresponding quarters of 1853 and 1854, the decrease is found to be greatest in London, in Devonshire, in Shropshire,

Marriages, Births, and Deaths, returned in the Years 1842-54 and in the Quarters of those Years.

YEARS.....	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851*	1852	1853	1854
Marriages	118825	123818	132249	143743	145664	135845	138230	141883	152744	154206	158439	164021	..
Births	517739	527325	540763	543521	572625	539965	563059	578159	593422	615865	624171	612341	..
Deaths	349519	346445	356933	349366	390315	423304	399833	440839	368995	395174	407938	421775	..
MARRIAGES.													
Quarters ended the last day of													
March	25860	25285	26387	29551	31417	27480	28398	28429	30567	32724	32983	35014	33144
June	30048	31113	34268	35300	37111	35197	34721	35844	39204	38635	40007	40335	..
September	27288	28847	31675	35008	35070	32439	32995	33874	37636	37316	38291	39786	..
December	35629	38573	39919	43889	42066	40729	42116	45736	45337	45531	47208	48886	..
BIRTHS.													
March	135615	136837	143578	143080	145108	146453	139736	153772	144551	157286	161776	161598	160892
June	134096	131279	136941	136853	149450	189072	149760	153693	155865	159073	159136	158718	172420
September	123296	138161	180078	132369	138718	127173	140359	135233	146911	150594	151193	147581	..
December	124732	131048	130166	131219	139349	127267	133204	135471	146095	148912	152066	144444	..
DEATHS.													
March	96514	94926	101024	104664	89484	119672	120032	105870	98430	105306	106682	118241	111970
June	86538	87234	85337	89149	90231	106718	99727	102153	92871	99468	100813	107361	102666
September	82339	76792	79708	74872	101663	93435	87638	135227	85849	91381	100497	92332	..
December	84328	87493	90864	80681	108937	103479	92436	97589	91845	99019	99946	103341	..

* The numbers up to 1851 have appeared in the Annual Reports.

in Lancashire, in the West Riding of Yorkshire, and in Westmorland. In Staffordshire, Warwickshire, Durham, and Northumberland, where the iron and coal districts abound, the marriages exhibit no sensible decrease.

BIRTHS.—172,420 births were registered in the quarter ended June 30th, or 13,702 births in excess of the births in the spring quarter of 1853. On an average the births were at the annual rate of 3·45 per cent. on the population in the ten spring quarters, 1844-53; in the spring quarter of 1854 the rate was 3·72 per cent. The increase is observable in every division of the country.

INCREASE OF POPULATION.—The number of children born last quarter was 172,420, and in the same period 102,666 men, women, and children died; therefore the registers discover a clear gain to the population of 69,754. But the increase or decrease of a people is not dependent entirely on the facts recorded in its registers; immigration and emigration materially modify the result. The number of emigrants who left English ports, where emigration officers are stationed, as furnished by the Commissioners, was 99,545. They are not distinguished in this return as regards the parts of the United Kingdom from which they came; but a large proportion were Irish, and many Scotch, who came hither only for embarkation. Of 116,861 persons who left the ports of the United Kingdom, the United States was the place of desti-

England :—Annual Rate, per cent., of Marriage, Birth, and Death, during the Years 1844-54, and the Quarters of those Years.*

Estimated Population of England in thousands in the middle of each Year.....	16516	16716	16919	17124	17331	17541	17754	17983	18205	18402	...	18617
YEARS	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	Mean, 1844-53	1854
Marriages.....	·801	·860	·861	·793	·798	·809	·860	·858	·870	·891	·840	...
Births	3·274	3·251	3·385	3·153	3·249	3·296	3·343	3·425	3·428	3·328	3·313	...
Deaths	2·161	2·090	2·307	2·472	2·307	2·513	2·078	2·198	2·241	2·292	2·266	...
MARRIAGES.												
Quarters ended the last day of												
March	·644	·721	·757	·655	·661	·661	·702	·742	·739	·775	·705	·726
June	·834	·849	·882	·826	·805	·822	·888	·864	·883	·880	·853	...
September	·760	·830	·822	·751	·755	·766	·840	·822	·833	·856	·804	...
December	·955	1·038	·983	·940	·961	·986	1·010	1·000	1·024	1·050	·995	...
BIRTHS.												
March	3·507	3·491	3·498	3·488	3·252	3·575	3·321	3·567	3·581	3·575	3·486	3·523
June	3·334	3·291	3·551	3·265	3·474	3·523	3·530	3·557	3·512	3·464	3·450	3·723
September	3·123	3·140	3·251	2·945	3·211	3·056	3·281	3·317	3·290	3·177	3·179	...
December	3·115	3·103	3·256	2·938	3·038	3·053	3·253	3·270	3·300	3·101	3·143	...
DEATHS.												
March	2·467	2·554	2·157	2·850	2·794	2·462	2·261	2·388	2·362	2·616	2·491	2·459
June	2·077	2·144	2·144	2·506	2·313	2·341	2·107	2·224	2·225	2·354	2·244	2·216
September	1·913	1·776	2·382	2·163	2·005	3·057	1·917	2·013	2·187	1·988	2·140	...
December	2·175	1·908	2·545	2·389	2·108	2·199	2·045	2·174	2·169	2·219	2·193	...

* The table may be read thus, without reference to the decimal points:—In the year 1848, to 100,000 of the population of England there were 798 marriages, 3,249 births, and 2,307 deaths registered. The annual rates of marriage in each of the four quarters were ·661, ·805, ·755, and ·961 per cent.; the rates of death 2·794, 2·313, 2·005, and 2·108 per cent. In reading the population on the first line add three ciphers (000). The three months January, February, March, contain 90, in leap year 91 days; the three months April, May, June, 91 days; each of the two last quarters of the year 92 days. For this inequality a correction has been made in the calculation.

nation for 67,668; British North America for 26,600; the Australian colonies for 21,998; and 595 set out for other places.* In the preceding three winter months the number who left did not greatly exceed a third part of the above number.

PRICES OF PROVISIONS.—In the last quarter consumers were not more fortunate as regards the price of the chief articles of food than they were in the preceding three months. Beef, by the carcase, rose from $5\frac{1}{4}d.$ to $5\frac{3}{8}d.$; the mean price of mutton remained at $5\frac{3}{4}d.$, that of potatoes rose from 140s. to 155s. per ton. The average

The Average Prices of Consols, of Wheat, Meat, and Potatoes, also the Average Quantity of Wheat sold and imported Weekly, in each of the nine Quarters ended June 30th, 1854.

Quarters ended	Average Price of Consols (for Money.)	Average Price of Wheat per Quarter in England and Wales.	Wheat sold in the 290 Cities and Towns in England and Wales making Returns.	Wheat and Wheat Flour entered for Home Consumption at Chief Ports of Great Britain.	Average Prices of Meat per lb. at Leadenhall and Newgate Markets (by the Carcase).		Average Prices of Potatoes (York Regents) per Ton at Waterside Market, Southwark.
					Average Number of Quarters weekly.	Beef.		Mutton.
1852	£						
June 30.	99 ⁵ / ₈	40s. 10d.	87,949	54,675	3 ¹ / ₄ d.—4 ³ / ₈ d. Mean 4d.	3 ³ / ₄ d.—5 ¹ / ₄ d. Mean 4 ³ / ₈ d.	85s.—110s. Mean 97s. 6d.
Sept. 30.	100	41s. 2d.	78,712	67,912	3 ¹ / ₄ d.—5d. Mean 4 ¹ / ₈ d.	4d.—6d. Mean 5d.	80s.—100s. Mean 90s.
Dec. 31.	100 ⁵ / ₈	40s. 5d.	111,224	72,870	3d.—5d. Mean 4d.	4 ¹ / ₂ d.—6 ¹ / ₄ d. Mean 5 ¹ / ₄ d.	90s.—120s. Mean 105s.
1853							
Mar. 31.	99 ⁵ / ₈	45s. 7d.	95,115	63,530	3 ³ / ₈ d.—5 ¹ / ₄ d. Mean 4 ³ / ₈ d.	4 ³ / ₈ d.—6 ³ / ₈ d. Mean 5 ³ / ₈ d.	110s.—145s. Mean 127s. 6d.
June 30.	100 ⁴ / ₈	44s. 6d.	84,559	82,623	4d.—5 ³ / ₈ d. Mean 4 ⁷ / ₈ d.	5d.—6 ³ / ₈ d. Mean 5 ⁷ / ₈ d.	110s.—145s. Mean 127s. 6d.
Sept. 30.	97	51s. 10d.	86,087	120,020	4 ¹ / ₄ d.—6d. Mean 5 ¹ / ₈ d.	5d.—7 ¹ / ₄ d. Mean 6 ¹ / ₈ d.	110s.—125s. Mean 117s. 6d.
Dec. 31.	93 ⁵ / ₈	69s. 10d.	79,002	91,627	4d.—6d. Mean 5d.	4 ¹ / ₂ d.—7d. Mean 5 ³ / ₈ d.	135s.—165s. Mean 150s.
1854							
Mar. 31.	91	79s. 6d.	60,022	103,519	4 ¹ / ₄ d.—6 ¹ / ₄ d. Mean 5 ¹ / ₄ d.	4 ¹ / ₂ d.—7d. Mean 5 ³ / ₈ d.	120s.—160s. Mean 140s.
June 30.	88 ⁵ / ₈	78s. 4d.	55,842	103,331	4 ¹ / ₂ d.—6 ¹ / ₄ d. Mean 5 ³ / ₈ d.	4 ³ / ₈ d.—6 ³ / ₈ d. Mean 5 ³ / ₈ d.	137s.—172s. Mean 155s.

Note.—The total number of quarters of wheat sold in England and Wales for the 13 weeks ended June 30th, 1852, was 1,143,339; for the 13 weeks ended September 30th, 1,023,251; for the 13 weeks ended December 31st, 1,445,906; for the 13 weeks ended March 31st, 1853, 1,236,493; for the 13 weeks ended June 30th, 1853, 1,099,261; for the 13 weeks ended September 30th, 1853, 1,119,128; for the 14 weeks ended December 31st, 1853, 1,106,027; for the 13 weeks ended March 31st, 1854, 780,282; and for the 13 weeks ended June 30th, 1854, 725,946. The total number of quarters entered for Home Consumption was, respectively, 710,780; 882,850; 947,310; 825,886; 1,074,095; 1,560,255; 1,191,149 (13 weeks); 1,345,743; and 1,343,305.

* From a Return with which the Registrar-General has been favoured by the Emigration Commissioners.

price of wheat slightly declined, having been, in the previous three months, 79s. 6d., in the last three months 78s. 4d. per quarter, while the quantity sold in the English and Welsh towns that make returns was less in the latter period by 4,180 quarters weekly, and the amount of wheat and wheat flour imported for home consumption remained nearly the same. Wheat was 33s. 10d. per quarter dearer than in the corresponding period of 1853. Beef and mutton in Leadenhall and Newgate, which were then 4½d. and 5½d., averaged 5⅔d. and 5¾d., while potatoes are dearer by more than 20 per cent. The working classes have suffered from the necessity of increased expenditure, which has been aggravated in some parts by slackness of trade, but generally sufficient employment and good wages have enabled them to live in circumstances of comfort.

STATE OF THE PUBLIC HEALTH.—The Spring of 1854 was a season of more health to the people of England than the Spring of 1853. In the quarter to which the present returns refer 102,666 deaths were registered; fewer by 5,195 than in the same period of the previous year. In large town populations, however, the public health was by no means good during last quarter; the rate of mortality was higher than the average, for 25 died out of every thousand persons, whilst 24 represents the average annual proportion. In the freer country regions and small towns, the spring months were propitious, the average annual rate of mortality for the same season being 22 out of a thousand, and the actual mortality last quarter having been only 20 out of a thousand.

Deaths in the Spring Quarters.

	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	Total 1844-53	1854
In 117 Dis- tricts, com- prising the chief towns...	38977	40847	43737	51585	46552	48070	42886	47774	48357	51734	460519	50822
In 508 Dis- tricts, com- prising chiefly small towns and country parishes	46360	48302	46494	55133	53178	54088	49989	51865	52456	56127	513987	51844
Total.....	85337	89149	90231	106718	99730	102153	92875	99639	100813	107861	974506	102666

Population, Deaths, and Mortality per cent. in the Spring Quarters, 1844-54.

	Population Enumerated.		Deaths in 10 Spring Quarters, 1844-53.	Annual Rate of Mortality of 10 Spring Quarters, 1844-53.	Annual Rate of Mortality in the Spring Quarter 1854.
	June 6-7th, 1841.	March 31st, 1851.			
In 117 Districts, com- prising the chief towns	6,612,958	7,795,882	460,519	2.454	2.520
In 508 Districts, com- prising chiefly small towns and country parishes	9,301,190	10,126,886	513,987	2.156	1.972
All England	15,914,148	17,922,768	974,506	2.244	2.216

MORTALITY OF THE METROPOLIS.

A Table of the Deaths in London from all Causes, Registered in the June Quarters of the Four Years, 1851-54.

CAUSES OF DEATH.	Quarters ended June,				CAUSES OF DEATH.	Quarters ended June,			
	1851	1852	1853	1854		1851	1852	1853	1854
ALL CAUSES.....	13,098	13,173	15,080	15,065	III. Scrofula.....	115	124	101	123
SPECIFIED CAUSES.....	12,065	13,036	14,807	14,880	Tabes Mesenterica.....	190	104	202	208
I. Zymotic Diseases.....	2,002	2,823	2,970	3,030	Phthisis or Con- sumption.....	1,815	1,700	1,971	1,907
Sporadic Diseases:					Hydrocephalus.....	404	437	403	386
II. Dropsy, Cancer, and other Diseases of uncertain or vari- able Seat.....	547	608	605	653	IV. Cephalitis.....	154	127	153	144
III. Tubercular Diseases.....	2,584	2,545	2,802	2,647	Apoplexy.....	313	325	352	342
IV. Diseases of the Brain, Spinal Marrow, Nerves, and Senses.....	1,545	1,461	1,632	1,700	Paralysis.....	207	233	275	313
V. Diseases of the Heart, and Blood Vessels.....	508	530	612	538	Delirium Tremens.....	32	30	42	50
VI. Diseases of the Lungs and of the other Organs of Respi- ration.....	2,117	2,088	2,700	2,271	Chorea.....	6	8	2	1
VII. Diseases of the Sto- mach, Liver, and other Organs of Digestion.....	707	703	885	812	Epilepsy.....	91	98	113	108
VIII. Diseases of the Kid- neys, &c.....	156	171	158	106	Tetanus.....	9	11	2	5
IX. Childbirth, Diseases of the Uterus, &c.....	105	132	90	90	Insanity.....	20	36	32	30
X. Rheumatism, Dis- eases of the Bones, Joints, &c.....	101	105	118	104	Convulsions.....	511	408	542	549
XI. Diseases of the Skin, Cellular Tissue, &c.....	23	30	30	41	Disease of Brain, &c.....	142	156	135	173
XII. Malformations.....	31	41	44	52	V. Pericarditis.....	32	37	27	50
XIII. Premature Birth and Debility.....	300	381	350	404	Aneurism.....	14	19	30	21
XIV. Atrophy.....	318	305	470	452	Disease of Heart, &c.....	402	464	556	487
XV. Age.....	540	573	532	533	Laryngitis.....	52	64	70	87
XVI. Sudden*.....	105	107	128	133	Bronchitis.....	861	934	1,390	962
XVII. Violence, Ertiation, Cold, and Intem- perance.....	457	443	580	500	Pleurisy.....	35	40	45	40
					Pneumonia.....	909	733	951	951
					Asthma.....	151	139	158	130
					Disease of Lungs, &c.....	100	119	109	110
					VII. Teething.....	173	146	222	170
					Quincy.....	11	21	10	18
					Gastritis.....	30	19	13	26
					Enteritis.....	73	94	76	75
					Peritonitis.....	51	50	47	44
					Ascites.....	32	26	43	31
					Ulceration of Intes- tines, &c.....	23	34	38	31
					Hernia.....	26	27	44	20
					Ileus.....	42	30	42	28
					Intussusception.....	10	15	10	12
					Stricture (of the In- testinal Canal).....	10	16	10	9
					Disease of Stomach, &c.....	63	72	68	70
					Disease of Pancreas.....	1	1	1	2
					Hepatitis.....	40	47	50	58
					Jaundice.....	45	40	46	37
					Disease of Liver.....	140	130	161	140
					Disease of Spleen.....	4	6	4	2
					VIII. Nephritis.....	11	4	8	3
					Nephritis (or Bright's Disease).....	32	47	26	45
					Ischuria.....	3	2	3	2
					Diabetes.....	10	11	12	19
					Stone.....	9	11	9	10
					Cystitis.....	7	6	9	12
					Stricture of Urethra.....	7	20	19	17
					Disease of Kidneys, &c.....	77	70	73	83
					IX. Parametria.....	3	4	3	1
					Ovarian Dropsy.....	9	13	11	9
					Childbirth, see Metria.....	52	76	49	56
					Disease of Uterus, &c.....	41	30	36	34
					X. Arthritis.....	4	3	4	1
					Rheumatism.....	55	53	53	57
					Disease of Joints, &c.....	41	44	56	46
					XI. Carbuncle.....	3	3	15	25
					Phlegmon.....	6	3	4	3
					Disease of Skin, &c.....	14	14	11	13
					XVII. Intemperance.....	16	20	18	24
					Privation.....	5	8	12	3
					Want of Breast Milk, see Privation and Atrophy.....	52	48	62	58
					Neglect.....	1	3	3	...
					Cold, see Privation.....	5	5	2	3
					Poison.....	19	19	26	17
					Burns and Scalds.....	43	50	33	33
					Hanging, &c.....	50	78	36	57
					Drowning.....	70	50	81	81
					Fractures and Con- cussions.....	159	121	171	100
					Wounds.....	31	19	33	23
					Other Violence.....	7	15	7	23
					Causes not specified.....	137	77	103	175

NOTE.—The thirteen weeks of 1854, constituting the June quarter in the Weekly Tables of Mortality, ended July 1st, in which 13,055 deaths were registered. In the quarter ended June 30th 13,144 deaths were registered.

* Under the head of *sudden deaths* are classed not only deaths described as sudden, of which the cause has not been ascertained or stated; but also all deaths returned by the coroner in vague terms, such as "found dead," "natural causes," &c., &c.

On the Meteorology of England and Scotland during the Quarter ended June 30th, 1854. By JAMES GLAISHER, ESQ., F.R.S., *Sec. of the British Meteorological Society.*

The period of warm weather which set in on February so continued till April 21st; the mean excess of daily temperature within this period was $3\cdot8^{\circ}$. On April 22nd a cold period began, and continued till the end of the quarter; the mean daily defect of temperature from April 22nd to June 30th was 3° . The marked change in the weather which took place on April 22nd caused very great injury to vegetation generally, and many even hardy plants were killed. The fall of rain in June amounted to one inch only, and the defect on the quarter exceeds two inches.

The mean temperature of the air at Greenwich for the quarter ended May, constituting the three spring months, was $47^{\circ}\cdot7$, being $1^{\circ}\cdot3$ above the average of 80 years.

1854. Months.		Temperature of										Elastic Force of Vapour.		Weight of Vapour in a Cubic Foot of Air.	
		Air.			Evaporation.		Dew Point.		Air— Daily Range.		Water of the Thames.				
		Mean.	Diff. from Average of 80 Years.	Diff. from Average of 13 Years.	Mean.	Diff. from Average of 13 Years.	Mean.	Diff. from Average of 13 Years.	Mean.	Diff. from Average of 13 Years.		Mean.	Diff. from Average of 13 Years.		
April	48·4	+2·7	+1·9	45·0	+1·4	41·1	+0·8	23·7	+6·8	52·2	In. ·274	In. +·006	Gr. 3·1	Gr. 0·0	
May	50·9	−1·7	−2·5	48·6	−1·0	45·9	−0·2	21·3	+2·2	54·9	·327	−·002	3·7	0·0	
June	55·7	−2·3	−3·6	52·7	−1·6	50·0	−1·2	19·2	−0·6	59·1	·371	−·018	4·2	−0·1	
Mean.....	51·7	−0·4	−1·4	48·8	−0·4	45·7	−0·2	21·4	+2·8	55·4	·324	−·005	3·7	0·0	

1854. Months.	Degree of Humidity.		Reading of Barometer.		Weight of a Cubic Foot of Air.		Rain.		Daily Horizontal Movement of the Air.	Reading of Thermometer on Grass.				
	Mean.	Diff. from Average of 13 Years.	Mean.	Diff. from Average of 13 Years.	Mean.	Diff. from Average of 13 Years.	Amnt.	Diff. from Average of 39 Years.		Number of Nights it was			Lowest Reading at Night.	Highest Reading at Night.
										At or below 32°.	Between 32° and 40°.	Above 40°.		
April	·775	—·027	In. 29·985	+·266	Gr. 542	+ 2	In. 0·6	—1·1	Miles. 78	23	5	2	14·8	47·0
May	·850	+·070	29·667	—·119	534	+ 1	3·3	+1·7	100	11	13	7	23·5	44·0
June	·825	+·067	29·735	—·053	529	+ 3	1·0	—2·8	102	...	7	23	33·2	53·0
Mean.....	·817	+·037	29·796	+·031	535	+ 2	Sum 4·9	Sum —2·2	93	Sum 34	Sum 25	Sum 32	14·8	53·0

Note.—In reading this table it will be borne in mind that the sign (—) minus signifies below the average, and that the sign (+) plus signifies above the average.

Thunderstorms occurred, or thunder was heard and lightning seen, the 9th April at Royston; on the 15th at Guernsey; on the 18th at Hartwell House; on the 19th at Liverpool and Isle of Man; on the 21st at Rose Hill, Bicester, Oxford, Stone,

Hartwell House, Hartwell Rectory, and Linslade; and on the 27th at Royston and Nottingham. On 1st May at Hartwell Rectory; on the 2nd at Rose Hill, Bicester, Oxford, Stone, Hartwell House, Linslade, Cardington, Bedford, Nottingham, Gainsborough, Wakefield, and Dunino; on the 3rd at Warrington; on the 4th at Clifton, Hartwell House, Nottingham, Warrington, and North Shields; on the 5th at Exeter, Stone, Hartwell House, Hartwell Rectory, Linslade, Cardington, Bedford, Grantham, Gainsborough, Liverpool, Wakefield, North Shields, and Dunino; on the 7th at Grantham, North Shields, and Dunino; on the 8th at Clifton, St. John's Wood, Rose Hill, Bicester, Cardington, Bedford, and Gainsborough; on the 9th at Midhurst, Lewisham, Greenwich, St. John's Wood, Rose Hill, Oxford, Hartwell House, Cardington, Bedford, Nottingham, Gainsborough, Wakefield, Stonyhurst, and Dunino; on the 23rd at Bicester, Nottingham, Liverpool, Wakefield, and North Shields; on the 24th at Truro, Clifton, Bicester, Hartwell House, North Shields, and Dunino; on the 26th at Helston, Truro, Stone, Hartwell House, Hartwell Rectory, Norwich, Nottingham, Wakefield, and Stonyhurst; on the 27th at Rose Hill, Stone, Hartwell House, Hartwell Rectory, and Norwich; on the 28th at Exeter, Clifton, Lewisham, Greenwich, Stone, Hartwell House, Hartwell Rectory, Linslade, Cardington, Bedford, Norwich, Nottingham, and Wakefield; and on the 30th at Midhurst, Paddington, Norwich, Grantham, and Nottingham. On the 1st June at Helston, Falmouth, and Truro; on the 13th at Lewisham and Greenwich; on the 17th at Oxford, Stone, Hartwell Rectory, Linslade, and Wakefield; on the 27th at Gainsborough, Warrington, Wakefield, and Stonyhurst; on the 28th at Cardington, Bedford, Warrington, Liverpool, and Stonyhurst; on the 29th at Midhurst, Cardington, and Bedford; and on the 30th at Midhurst, Lewisham, Greenwich, Paddington, St. John's Wood, Rose Hill, Oxford, and Bedford.

Thunder was heard but lightning was not seen on the 15th April at Jersey; on the 18th at the Isle of Man; on the 19th at Warrington; on the 21st at Nottingham; on the 22nd at Lewisham; and on the 27th at Cardington, Grantham, Nottingham, and Wakefield. On the 2nd May at Grantham, Holkham, Nottingham, and Stonyhurst; on the 3rd at Exeter and Stonyhurst; on the 4th at Stonyhurst; on the 5th at Exeter, Rose Hill, Bicester, and Nottingham; on the 6th at Guernsey; on the 7th at Hartwell Rectory and Nottingham; on the 8th at Oxford, Stone, Hartwell Rectory, and Holkham; on the 9th at Clifton, Stone, and Hartwell Rectory; on the 10th at Arbroath; on the 21st at Cardington and Holkham; on the 22nd at Clifton and Bedford; on the 23rd at Exeter and Cardington; on the 24th at St. John's Wood, Rose Hill, Nottingham, and Liverpool; on the 26th at Truro, Cardington, Holkham, Gainsborough, Warrington, Liverpool, and Manchester; on the 27th at Exeter, St. John's Wood, Bicester, Oxford, Manchester, and North Shields; on the 28th at Exeter, Cardiff, Rose Hill, Oxford, Gainsborough, and Manchester; on the 29th at Stone, Hartwell Rectory, Nottingham, and Gainsborough; on the 30th at Midhurst, Lewisham, Cardington, Nottingham, Warrington, Liverpool, and Wakefield; and on the 31st at Stonyhurst. On the 1st June at Jersey; on the 14th at Truro and Exeter; on the 15th at Bedford; on the 17th at Bicester, Oxford, Cardington, Gainsborough, Manchester, and North Shields; on the 18th at Liverpool; on the 19th at Manchester; on the 26th at North Shields; on the 27th at Nottingham and Warrington; on the 28th at Cardiff, Clifton, Bicester, Stone, Hartwell House, Hartwell Rectory, Royston, Nottingham, and Manchester; on the 29th at Clifton, Bicester, Stone, Hartwell House, Hartwell Rectory, and Linslade; and on the 30th at Lewisham, Greenwich, Oxford, Stone, Hartwell Rectory, Linslade, and Nottingham.

Lightning was seen, but thunder was not heard, on the 14th April at Jersey and Exeter; on the 15th at Jersey, Rose Hill, Hartwell House, Hartwell Rectory, and Cardington; on the 16th at Jersey and Lewisham; on the 18th at Truro, Exeter, Cardiff, Clifton, Rose Hill, Oxford, Hartwell Rectory, Royston, Nottingham, Liverpool, Manchester, Wakefield, and Stonyhurst; on the 19th at Warrington; and on the 21st at Guernsey. On the 22nd May at Helston; on the 23rd at Rose Hill; and on the 28th at Helston. On the 8th June at Nottingham; on the 28th at Isle of Man; and on the 29th at Royston.

Hail fell on six days in April, on nineteen days in May, and on four days in June, at the different stations during the quarter.

Snow fell on the 4th April at Bicester; on the 11th at Royston; on the 23rd at Royston, Cardington, Bedford, Gainsborough, Leeds, Stonyhurst, York, Durham, and North Shields; and on the 24th at Lewisham, Greenwich, Oxford, Stone, Hartwell Rectory, Linslade, Royston, Cardington, and Holkham.

Solar Halos were seen on thirteen days in April, on five days in May, and on six days in June.

Lunar Halos were seen on ten days in April, on six days in May, and on two days in June.

Fog was prevalent on the 1st April at Exeter; on the 2nd at Clifton, Stone, Hartwell Rectory, and Stonyhurst; on the 4th at Exeter; on the 5th at Linslade; on the 6th at Bicester, Stone, and Hartwell Rectory; on the 7th at Exeter, Clifton, and Grantham; on the 8th at Clifton; on the 11th at Grantham; on the 20th at North Shields and Arbroath. On the 6th May at Bicester; on the 12th at Lewisham; on the 17th at Hartwell House; on the 22nd at North Shields; and on the 29th and 30th at Dunino. On the 20th June at Midhurst and Bicester; on the 22nd and 23rd at Isle of Man; on the 26th at Arbroath; and on the 29th and 30th at Bicester.

Auroræ were seen on the 10th April at Clifton and Warrington; on the 11th at Clifton; on the 14th at Lewisham, Greenwich, Hartwell Rectory, Grantham, Nottingham, and North Shields; on the 15th at Nottingham; on the 18th at Grantham and Nottingham; on the 19th at Clifton, Grantham, and Arbroath; on the 20th at Grantham and Arbroath; and on the 24th, 25th, and 27th at Arbroath. On the 2nd May at Oxford; on the 15th at Hartwell House and Hartwell Rectory; on the 16th at Rose Hill, Stone, Hartwell House, and Hartwell Rectory; on the 17th at Stone, Hartwell House, and Hartwell Rectory; on the 19th at Oxford; and on the 23rd at Stone and Hartwell Rectory. On the 10th June at Oxford; and on the 19th at Grantham.

Lilac in flower on the 8th April at Bicester; on the 10th at Helston; on the 11th at Jersey; on the 17th at Warrington; on the 19th at Oxford; on the 20th at Gainsborough; on the 22nd at Rose Hill; on the 23rd at Linslade; on the 29th at North Shields; and on the 30th at York. On the 5th May at Nottingham; and on the 6th at Wakefield. On the 1st June at Dunino.

Wheat in ear on the 29th May at Worthing. On the 5th June at Jersey and Holkham; on the 6th at Helston and Newport; on the 9th at Gainsborough; on the 11th at Linslade; on the 18th at Isle of Man; on the 20th at North Shields; and on the 22nd at Rose Hill and Nottingham.

Wheat in flower on the 14th June at Helston; on the 15th at Jersey; on the 18th at Holkham; on the 24th at Nottingham; on the 25th at Linslade; and on the 26th at Gainsborough.

Cuckoo first heard on the 16th April at Jersey; on the 20th at Stone, Hartwell House, and Hartwell Rectory; on the 21st at Clifton; on the 22nd at Grantham and Gainsborough; on the 26th at Bicester; and on the 27th at Wakefield.

Swallows first seen on the 2nd April at Hartwell Rectory; on the 3rd at Stone; on the 7th at Bicester; on the 13th at Hartwell House and Grantham; on the 14th at Gainsborough; on the 15th at York; on the 16th at Jersey; on the 17th at Dunino; and on the 20th at Clifton. On the 2nd May at Wakefield; and on the 12th at North Shields.

Meteorological Table, Quarter ended June 30th, 1854.

NAMES OF THE PLACES.	Mean Pressure of Dry Air reduced to the Level of the Sea.	Mean Temperature of the Air.	Highest Reading of the Thermometer.	Lowest Reading of the Thermometer.	Mean Daily Range of Temperature.	Mean Monthly Range of Temperature.	Range of Temperature in the Quarter.	WIND.		Mean Amount of Cloud.	RAIN.		Mean Degree of Humidity.
								Mean estimated Strength.	General Direction.		Number of Days on which it fell.	Amount collected.	
Jersey.....	in. 29.653	° 51.6	° 76.0	° 39.0	° 10.8	° 24.0	° 37.0	° 1.8	W, S.W., & N.E.	4.3	31	in. 7.0	0.900
Falmouth.....	....	° 52.7	° 73.0	° 35.0	° 16.7	° 31.0	° 38.0	° 1.9	S.W. & E.N.E.	6.5	42	8.2	....
Truro.....	29.635	° 52.4	° 73.0	° 31.0	° 16.8	° 36.7	° 42.0	° 1.6	N. & W.S.W.	6.2	42	6.8	0.811
Torquay.....	....	° 51.4	° 72.0	° 36.0	° 12.7	° 26.7	° 36.0	° 2.6	S.W., & N.E.	....	39	5.1	0.753
Newport.....	29.686	° 52.2	° 76.7	° 25.1	° 20.1	° 40.2	° 51.6	° 2.7	S.W. & W.	4.2	36	5.4	0.750
Worthing.....	29.652	° 51.2	° 68.0	° 32.3	° 12.2	° 27.4	° 35.7	° 1.3	S.W.	5.2	30	5.3	0.803
Southampton.....	29.684	° 52.2	° 74.0	° 27.9	° 17.0	° 33.6	° 46.1	° 0.4	....	5.9	42	7.8	0.752
Clifton.....	29.658	° 50.7	° 79.0	° 26.0	° 18.4	° 39.5	° 53.0	° 1.1	S.W. & W.	5.3	41	6.5	0.793
Royal Observatory.....	29.667	° 51.7	° 78.5	° 28.3	° 21.4	° 40.7	° 50.2	....	S.W., & N.E.	....	36	4.9	0.817
Oxford.....	29.650	° 51.3	° 80.5	° 25.6	° 18.5	° 42.0	° 54.9	° 1.4	S.W., & N.E.	6.5	39	5.8	0.784
Stone.....	29.508	° 50.0	° 80.4	° 24.0	° 20.7	° 42.5	° 56.4	° 1.1	Var.	5.8	43	3.5	0.829
Linslade.....	29.669	° 51.2	° 80.0	° 23.0	° 22.4	° 44.3	° 57.0	....	N.E. & S.W.	....	41	5.1	0.727
Royston.....	29.681	° 52.0	° 79.5	° 27.8	° 19.3	° 41.4	° 51.7	....	N., N.E., & S.W.	5.9	58	4.9	0.750
Bedford.....	29.651	° 52.6	° 83.5	° 29.0	° 19.8	° 42.3	° 54.5	° 0.8	S.W. & N.E.	6.5	42	4.6	0.752
Norwich.....	29.622	° 50.5	° 78.0	° 32.0	° 18.8	° 36.2	° 46.0	....	....	....	31	5.9	0.803
Derby.....	....	° 50.1	° 77.0	° 30.0	° 20.2	° 38.3	° 47.0	....	....	....	36	4.4	0.712
Holkham.....	29.648	° 50.5	° 82.4	° 29.3	° 17.6	° 40.3	° 53.1	° 1.4	S.W. & N.E.	5.2	37	5.5	0.819
Nottingham.....	29.681	° 50.5	° 79.0	° 29.4	° 22.5	° 41.7	° 49.6	° 0.4	N.E., S.W., & S.	6.6	38	3.7	0.807
Gainsborough.....	29.637	° 51.2	° 81.0	° 30.0	° 19.4	° 40.0	° 51.0	° 0.3	S., S.W., & N.	3.8	32	5.0	0.766
Warrington.....	29.619	° 50.8	° 76.1	° 28.0	° 18.5	° 38.1	° 48.1	° 0.6	S.W. & W.	5.7	47	4.2	0.818
Liverpool.....	29.679	° 52.5	° 71.4	° 33.1	° 12.7	° 29.6	° 38.3	° 1.0	N.W.	6.1	30	4.0	0.770
Manchester.....	29.658	° 52.5	° 77.0	° 29.0	° 21.3	° 40.5	° 48.0	....	S.W., W., & N.E.	6.1	40	4.1	0.682
York.....	29.586	° 49.3	° 72.0	° 28.5	° 15.2	° 32.8	° 43.5	....	N.E. & S.W.	....	35	5.6	0.881
Durham.....	29.629	° 48.3	° 74.0	° 30.7	° 13.1	° 30.3	° 43.3	° 1.8	S.W., & N.W.	8.0	30	5.3	0.837
Arbroath.....	29.593	° 49.2	° 74.0	° 25.0	° 18.1	° 36.3	° 49.0	° 1.1	Var.	6.7	35	5.7	0.768

THE REVENUE.

THE revenue accounts for the present and future quarters will be published in a new form, and give the public more complete information than that which has been contained in the statements hitherto published.

1. The account of the revenue has been hitherto confined to Great Britain; the revenue received in Ireland has never formed part of the accounts hitherto published; the accounts have therefore been deficient by upwards of 4,000,000*l.* of net annual revenue. The account published on the 11th inst., for the quarter ending the 10th, is a complete account of the net revenue of the United Kingdom. The results of fiscal legislation will be better shown by a complete than by a partial statement of revenue collected.

2. The results of the comparison with the corresponding quarter and year ending on the 10th of October, 1853, will be shown as heretofore; but as the financial year, commencing in April, is the year of the budget, the year for which the public expenditure is voted, and the year of account, there will be added to this comparison one showing the increase or decrease in the portion of the financial year which shall have expired at the termination of each quarterly account.

3. The account of the income and charge of the consolidated fund has hitherto been a very partial and imperfect one. Instead of showing the application of the quarter's receipts from all sources, it has been limited to the receipts and charges of the consolidated fund in Great Britain, omitting the income and charges for Ireland, and suppressing altogether those receipts which may have been appropriated by Parliament to the payment of other public services than those charged permanently on the consolidated fund. The account published on the 11th of October, and the future quarters, will show not only the receipts derived from the ordinary revenue, from imprest moneys, and from repayments, but will embrace all extraordinary receipts, whether derived from temporary or permanent loans, exchequer bills, or any other moneys applicable to the payment of public services; it will be a complete debtor and creditor statement of all public moneys received in the quarter, and of the appropriation of the same.

REVENUE.

Abstract of the Net Produce of the Revenue of the United Kingdom in the Years and Quarters ended 10th October, 1853 and 1854; showing the Increase or Decrease thereof.—(Continued from page 284.)

Sources of Revenue.	Years ended 10th October.			
	1853.	1854.	Increase.	Decrease.
	£	£	£	£
Customs.....	21,032,896	20,193,641	....	839,255
Excise	15,398,729	15,526,892	128,163	....
Stamps	7,066,715	6,998,567	....	68,148
Taxes.....	3,171,051	3,154,606	....	16,445
Property Tax	5,620,852	6,972,093	1,351,241	....
Post Office.....	1,041,000	1,340,000	299,000	....
Crown Lands.....	402,888	271,572	....	131,316
Miscellaneous	191,940	155,797	....	36,143
Total Ordinary Revenue	53,926,071	54,613,168	1,778,404	1,091,307
Imprest and other Moneys .	743,352	768,775	25,423	....
Repayments of Advances....	2,037,412	1,341,472	....	695,940
Total Income.....	56,706,835	56,723,415	1,803,827	1,787,247
			Net Increase £16,580	

Sources of Revenue.	Quarters ended 10th October.			
	1853.	1854.	Increase.	Decrease.
	£	£	£	£
Customs	5,663,113	5,513,006	....	150,107
Excise	4,810,083	5,164,995	354,912	....
Stamps	1,736,173	1,748,269	12,096	....
Taxes.....	129,219	116,680	....	12,539
Property Tax.....	1,947,354	2,517,040	569,686	....
Post Office.....	236,000	344,000	108,000	....
Crown Lands.....	50,000	61,572	11,572	....
Miscellaneous	57,688	36,947	....	20,741
Total Ordinary Revenue	14,629,630	15,502,509	1,056,266	183,387
Imprest and other Moneys .	107,759	92,216	....	15,543
Repayments of Advances....	582,519	275,371	....	307,148
Total Income.....	15,319,908	15,870,096	1,056,266	506,078
			Net Increase £550,188	

Increase and Decrease of the Revenue in the Six Months of the Financial Year, from the 5th of April to the 10th of October, 1854, as compared with the corresponding periods of the preceding year.

Increase.—Excise, 263,342*l.*; Stamps, 41,748*l.*; Property Tax, 854,790*l.*; Post Office, 236,000*l.*—*Total Increase*, 1,395,880*l.* *Decrease.*—Customs, 509,407*l.*; Taxes, 87,095*l.*; Crown Lands, 124,316*l.*; Miscellaneous, 20,805*l.*; Imprest and other Money, 166,508*l.*; Repayment of Advances, 409,852*l.* *Total Decrease*, 1,317,983*l.* *Net Increase*, 77,897*l.*

<p>£30'808'082</p> <p>October 10th 1894 Nil</p> <p>Amount of Expenditure Bills (Grubbs) issued in the district ended Expenditure Bonds issued 3'337'283</p> <p>Installments received in the district ended October 10th 1894 for in Account of 18'820'086</p> <p>Income received in the district ended October 10th 1894 as shown 1894 29'000</p> <p>Amount to Grubbs' services remaining unissued on 10th 9th 1894 106'992</p> <p>Balance of installments of Expenditure Bonds subscribed for 1894 £168'992</p> <p>Interest £168'992</p> <p>Great Britain £168'992</p> <p>district ended 10th 9th 1894 are:—</p> <p>Grubbs' services payable the credits of the Consolidated Fund for the £</p>	<p>£30'808'082</p> <p>Grubbs' services payable the credits of the Consolidated Fund for the £</p>
<p>£30'808'082</p> <p>Grubbs' services payable the credits of the Consolidated Fund for the £</p>	<p>£30'808'082</p> <p>Grubbs' services payable the credits of the Consolidated Fund for the £</p>

CORN.

Average Prices of Corn per Imperial Quarter in England and Wales, during each Week of the Third Quarter of 1854; together with the Monthly and Quarterly Average—(Continued from p. 285.)

[Communicated by the Comptroller of Corn Returns, H. F. JADIS, Esq.]

Weeks ended on a Saturday, 1854.		Weekly Average.					
		Wheat.	Barley.	Oats.	Rye.	Beans.	Peas.
		s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
July	8	76 6	36 6	30 2	48 2	48 7	47 1
"	15	74 6	36 10	29 8	51 1	48 10	45 9
"	22	71 10	37 1	30 7	47 9	48 11	45 4
"	29	69 8	36 3	29 10	45 8	47 5	47 3
Average for July		73 1	36 8	30 0 $\frac{1}{2}$	48 2	48 5	46 4
August	5	64 8	35 9	29 11	43 5	47 4	41 7
"	12	62 3	34 8	28 11	40 11	45 0	43 6
"	19	64 0	34 6	27 9	43 1	49 10	44 8
"	26	63 7	32 6	28 7	40 5	47 4	39 8
Average for August		63 7	34 4	28 9	41 11	47 4	42 4
Sept.	2	62 3	32 5	27 8	38 4	48 2	35 7
"	9	60 4	30 9	27 6	36 9	46 0	36 0
"	16	52 5	29 2	25 11	36 11	45 10	36 10
"	23	53 2	29 2	24 7	34 11	42 9	37 3
"	30	55 9	29 2	25 3	35 2	42 11	37 11
Average for September ...		56 7	30 1	26 2	36 5	45 1	37 1
Average for the Quarter ..		63 10	33 5	28 2	41 8	46 10	41 6

Foreign and Colonial Wheat and Wheat-Flour imported in each of the Months ended 5th July, 5th August, and 5th September, 1854; the Quantities Entered for Home Consumption during the same Months; and the Quantities remaining in Warehouses at the close thereof.—(Continued from p. 285.)

[Compiled from the "London Gazette."]

WHEAT.

Months ended	Imported.			Quantities entered for Home Consumption.			In Bond at the Month's end.		
	Foreign.	Colonial.	Total.	Foreign.	Colonial.	Total.	Foreign.	Colonial.	Total.
1854.	qrs.	qrs.	qrs.	qrs.	qrs.	qrs.	qrs.	qrs.	qrs.
5th July	356,474	489	356,963	356,615	489	357,104	..	..	..
5th Aug.	276,061	4,989	281,050	..	..	..	..	..	..
5th Sept.	190,694	7,364	198,058	..	..	..	..	..	..

WHEAT-FLOUR.

Months ended	Imported.			Quantities entered for Home Consumption.			In Bond at the Month's end.		
	Foreign.	Colonial.	Total.	Foreign.	Colonial.	Total.	Foreign.	Colonial.	Total.
1854.	cwts.	cwts.	cwts.	cwts.	cwts.	cwts.	cwts.	cwts.	cwts.
5th July	212,551	9,928	222,479	212,551	9,928	222,479	..	..	..
5th Aug.	192,605	57,499	250,103	..	..	..	..	..	..
5th Sept.	170,241	57,972	228,213	..	..	..	..	..	..

